

Two genera and one species of Umbelliferae new to the flora of Jordan

by

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Abstract:

AL-EISAWI, D., ORAN, S. & PODLECH, D.: Two genera and one species of Umbelliferae new to the flora of Jordan. - *Sendtnera* 2: 31-34. 1994. ISSN0944-0178.

Two genera of Umbelliferae are recorded as new to the flora of Jordan. These genera are *Hohenackeria* and *Oliveria*. The two genera are represented by the species *Hohenackeria exscapa* (Steve.) Kos.-Pol. and *Oliveria decumbens* Vent. A third species of Umbelliferae *Ducrosia anethifolia* (DC.) Boiss. is also recorded new to the flora of Jordan. *Hohenackeria exscapa* was collected from the mountains of Shaubak in Southern Jordan, while the other two species were collected from the Eastern Desert of Jordan. The distribution will be shown in a map.

Since the publication of the List of Jordan Vascular Plants (AL-EISAWI 1982) some more new species have been recorded parallel to the increase of collections especially when new localities are visited in different seasons (AL-EISAWI 1986 a & b). Although there was a Ph. D. theses on the Umbelliferae of Jordan (AL-EISAWI 1977) these new species were up to this time not discovered in Jordan.

Specimens of the newly recorded taxa are deposited at the Herbarium, Department of Biological Sciences, Faculty of Science, University of Jordan, Amman, Jordan (AMM). Duplicates of these taxa are also deposited at the Herbarium, Institut für Systematische Botanik, Munich, Germany.

Hohenackeria exscapa (Stev.) Kos.-Pol.

This genus is known from Transcaucasia, Persia, Anatolia, North Africa and Spain, (HEDGE & LAMOND 1974, 1987). It is clear from the distribution of this species that there is a gap between its distribution in Asia to North Africa and South Western Europe. Its new collection in Jordan represents the closest bridge of this link. The genus and its only species has not been recorded in the floras covering Jordan or neighbouring countries such as BOISSIER (1872), POST (1932), ZOHARY (1972), MOUTERDE (1970) or TÄCKHOLM (1974).

This genus was found in the high mountains of Ash-Sharah, Southern Jordan at an altitude of about 1300-1400 m. in a degraded forest land cultivated by wheat.

Material seen:

Jordan: Shaubak; Ail, 3 km W. of Ail, along the road to Rajif cultivated field. 14 May 1992, *Al-Eisawi 17172-B*.

***Oliveria decumbens* Vent.**

Syn.: *O. orientalis* DC., *O. bruguieri* Jaub. & Spach, *Callistroma erubescens* Fenzl

Distribution: Turkey, Syria, Iraq and Iran.

The specimens of this genus were collected from the Eastern Desert of Jordan from three different localities. One of them was collected few years ago, 1987, while the other two localities were gathered in 1993. The genus was not recorded previously in the area by POST (1932), MOUTERDE (1970), ZOHARY (1972), HEDGE & LAMOND (1974) and TÄCKHOLM (1974).

Material seen:

Jordan: Eastern Desert: nearby the main road to Azraq; between Muwagar & Qasr Amara, Hammada land covered by graels with clayey, loess soil, 7 June 1987, *Al-Eisawi 13447*; 20 km E of Safawi, 10 km N of the main road at the hot well point, towards Shbaika track. 28 April 1993, *Al-Eisawi 18191*; Eastern Desert: 20 km E of Safawi, along the Ruwayshid, 23 April 1992, *Al-Eisawi 16033*.

***Ducrosia anethifolia* (DC.) Boiss.**

Syn.: *Zozimia anethifolia* DC., *Ducrosia olivieri* Boiss. & Buhse.

The genus *Ducrosia* was recorded for the first time to the flora of Jordan by BOULOS & AL-EISAWI (1977) as represented by the species *Ducrosia flabellifolia*. Recently the second species *D. anethifolia* was found from the North Eastern Desert of Jordan close to the borders with Iraq. Both species were not recorded by ZOHARY (1972) or POST (1932) as to occur in Jordan. RECHINGER (1964) has recorded these two species from Iraq, in Rutba close to the borders with Jordan. ALAVA (1975) in his papaer "The Genus *Ducrosia* and its Allies" gives the distribution of this species as Syria, Arabia, Iraq, Iran, Afghanistan, Pakistan. He did not list Jordan or Palestine as localities of distribution for this species.

Material seen:

Jordan: North Eastern Desert; Ruwayshid, 10 km E. of Ruwayshid, along the road to Iraq. 27 April 1993, *Al-Eisawi 18148*; 22 Km E. of Ruwayshid; along the road to Iraq, 27 April 1993, *Al-Eisawi 18176*.

Acknowledgements:

The authors would like to thank the University of Jordan for the financial support of this Project. Thanks are also due to the DAAD for the travel support to identify the specimens. The sincere help for using the facilities and the Herbaria Department of Systematic Botany and Botanische Staatssammlung, Munich (M) is very much appreciated. The kind invitation of Prof. MÜLLER-HOHENSTEIN to visit Germany is greatly acknowledged.

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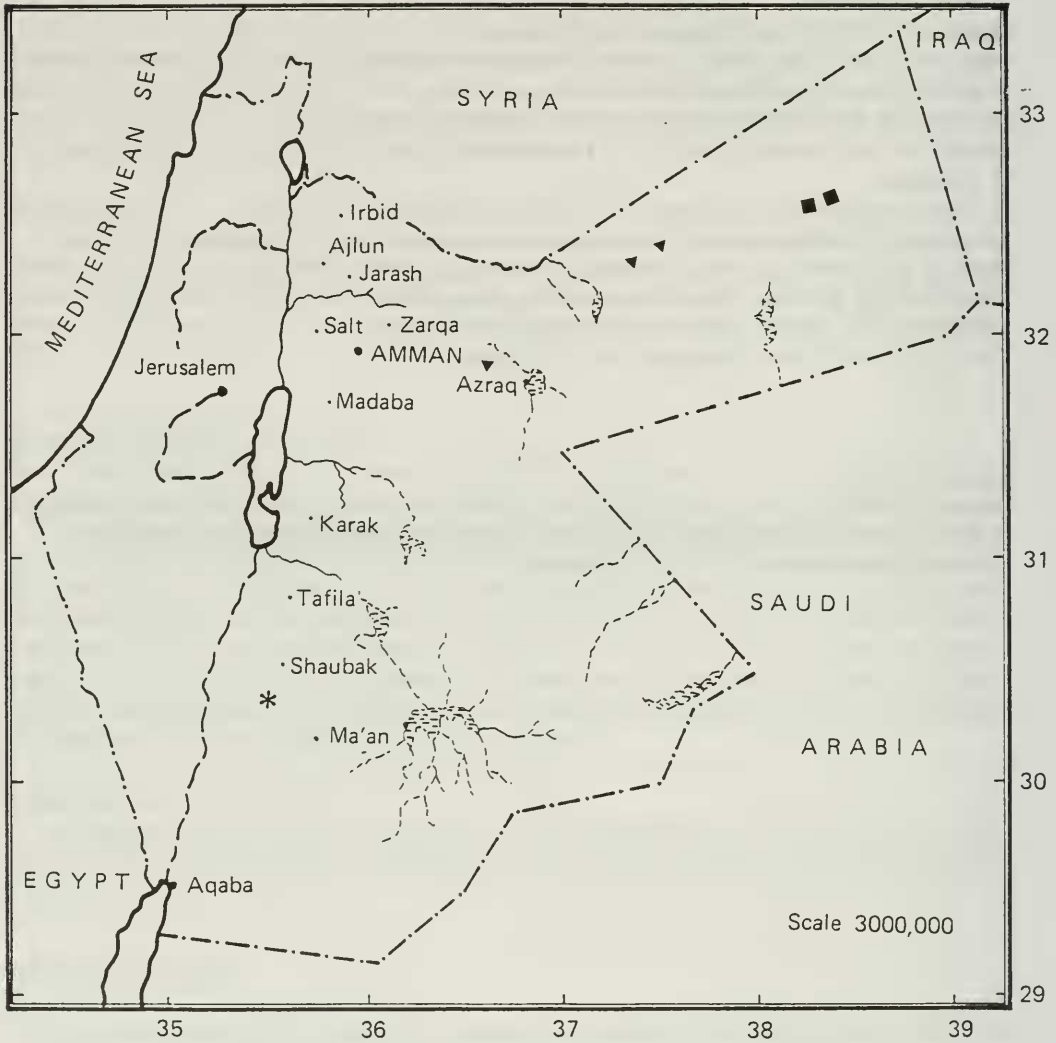
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Map of Jordan showing the distribution of the new taxa:

- ▼ *Oliveria decumbens*
- *Ducrosia anethifolia*
- * *Hohenackeria exscapa*